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       Methods of Use Thereof

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Arg Gly Ser Tyr Gly Ser Thr Ala His Ala Ser Glu Pro Gly Gly Gln
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Lys Lys Asn Leu Leu Gly Ile His Gln Leu Leu Ala Glu Gly Val Leu
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tccacgctgg atcataatgt gacgtgcagt tctgccctgt gctggggagc cacatgaagc   4140
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atggatctgt gctcatctgt aaaaaaaaaa aaaaaaaaaa aaaa                     4244
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<210> 5
<211> 885
<212> PRT
<213> Homo sapiens

<400> 5

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Gln Gly Glu Gly Met Arg Met Ala Ala Thr Ala Trp Ala Gly Leu Gln
1               5                   10                  15


Gly Pro Pro Leu Pro Thr Leu Cys Pro Ala Val Arg Thr Gly Leu Tyr
            20                  25                  30


Cys Arg Asp Gln Ala His Ala Glu Arg Trp Ala Met Thr Ser Glu Thr
        35                  40                  45


Ser Ser Gly Ser His Cys Ala Arg Met Leu Arg Arg Arg Ala Gln Glu
    50                  55                  60


Glu Asp Ser Thr Val Leu Ile Asp Val Ser Pro Pro Glu Ala Glu Lys
65                  70                  75                  80


Arg Gly Ser Tyr Gly Ser Thr Ala His Ala Ser Glu Pro Gly Gly Gln
                85                  90                  95


Gln Ala Ala Ala Cys Arg Ala Gly Ser Pro Ala Lys Pro Arg Ile Asp
            100                 105                 110


Phe Val Leu Val Trp Glu Glu Asp Leu Lys Leu Asp Arg Gln Gln Asp
        115                 120                 125


Ser Ala Ala Arg Asp Arg Thr Asp Met His Arg Thr Trp Arg Glu Thr
    130                 135                 140


Phe Leu Asp Asn Leu Arg Ala Ala Gly Leu Cys Val Asp Gln Gln Asp
145                 150                 155                 160


Val Gln Asp Gly Asn Thr Thr Val His Tyr Ala Leu Leu Ser Ala Ser
                165                 170                 175


Trp Ala Val Leu Cys Tyr Tyr Ala Glu Asp Leu Arg Leu Lys Leu Pro
            180                 185                 190
```

8

Leu Gln Glu Leu Pro Asn Gln Ala Ser Asn Trp Ser Ala Gly Leu Leu
    195   200   205

Ala Trp Leu Gly Ile Pro Asn Val Leu Leu Glu Val Val Pro Asp Val
    210   215   220

Pro Pro Glu Tyr Tyr Ser Cys Arg Phe Arg Val Asn Lys Leu Pro Arg
225   230   235   240

Phe Leu Gly Ser Asp Asn Gln Asp Thr Phe Phe Thr Ser Thr Lys Arg
       245   250   255

His Gln Ile Leu Phe Glu Ile Leu Ala Lys Thr Pro Tyr Gly His Glu
       260   265   270

Lys Lys Asn Leu Leu Gly Ile His Gln Leu Leu Ala Glu Gly Val Leu
    275   280   285

Ser Ala Ala Phe Pro Leu His Asp Gly Pro Phe Lys Thr Pro Pro Glu
    290   295   300

Gly Pro Gln Ala Pro Arg Leu Asn Gln Arg Gln Val Leu Phe Gln His
305   310   315   320

Trp Ala Arg Trp Gly Lys Trp Asn Lys Tyr Gln Pro Leu Asp His Val
       325   330   335

Arg Arg Tyr Phe Gly Glu Lys Val Ala Leu Tyr Phe Ala Trp Leu Gly
       340   345   350

Phe Tyr Thr Gly Trp Leu Leu Pro Ala Ala Val Val Gly Thr Leu Val
    355   360   365

Phe Leu Val Gly Cys Phe Leu Val Phe Ser Asp Ile Pro Thr Gln Glu
    370   375   380

Leu Cys Gly Ser Lys Asp Ser Phe Glu Met Cys Pro Leu Cys Leu Asp
385   390   395   400

Cys Pro Phe Trp Leu Leu Ser Ser Ala Cys Ala Leu Ala Gln Ala Gly
       405   410   415

Arg Leu Phe Asp His Gly Gly Thr Val Phe Phe Ser Leu Phe Met Ala
    420   425   430

Leu Trp Ala Val Leu Leu Leu Glu Tyr Trp Lys Arg Lys Ser Ala Thr
    435   440   445

Leu Ala Tyr Arg Trp Asp Cys Ser Asp Tyr Glu Asp Thr Glu Glu Arg
   450   455   460

Pro Arg Pro Gln Phe Ala Ala Ser Ala Pro Met Thr Ala Pro Asn Pro
465   470   475   480

Ile Thr Gly Glu Asp Glu Pro Tyr Phe Pro Glu Arg Ser Arg Ala Arg
          485   490   495

Arg Met Leu Ala Gly Ser Val Val Ile Val Val Met Val Ala Val Val
        500   505   510

Val Met Cys Leu Val Ser Ile Ile Leu Tyr Arg Ala Ile Met Ala Ile
      515   520   525

Val Val Ser Arg Ser Gly Asn Thr Leu Leu Ala Ala Trp Ala Ser Arg
     530   535   540

Ile Ala Ser Leu Thr Gly Ser Val Val Asn Leu Val Phe Ile Leu Ile
545   550   555   560

Leu Ser Lys Ile Tyr Val Ser Leu Ala His Val Leu Thr Arg Trp Glu
         565   570   575

Met His Arg Thr Gln Thr Lys Phe Glu Asp Ala Phe Thr Leu Lys Val
        580   585   590

Phe Ile Phe Gln Phe Val Asn Phe Tyr Ser Ser Pro Val Tyr Ile Ala
     595   600   605

Phe Phe Lys Gly Arg Phe Val Gly Tyr Pro Gly Asn Tyr His Thr Leu
     610   615   620

Phe Gly Val Arg Asn Glu Glu Cys Ala Ala Gly Gly Cys Leu Ile Glu
625   630   635   · 640

Leu Ala Gln Glu Leu Leu Val Ile Met Val Gly Lys Gln Val Ile Asn
        645   650   655

Asn Met Gln Glu Val Leu Ile Pro Lys Leu Lys Gly Trp Trp Gln Lys
        660   665   670

Phe Arg Leu Arg Ser Lys Lys Arg Lys Ala Gly Ala Ser Ala Gly Ala

10

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            675                      680                      685


Ser Gln Gly Pro Trp Glu Asp Asp Tyr Glu Leu Val Pro Cys Glu Gly
    690                  695                  700


Leu Phe Asp Glu Tyr Leu Glu Met Val Leu Gln Phe Gly Phe Val Thr
705                  710                  715                  720


Ile Phe Val Ala Ala Cys Pro Leu Ala Pro Leu Phe Ala Leu Leu Asn
                725                  730                  735


Asn Trp Val Glu Ile Arg Leu Asp Ala Arg Lys Phe Val Cys Glu Tyr
                740                  745                  750


Arg Arg Pro Val Ala Glu Arg Ala Gln Asp Ile Gly Ile Trp Phe His
        755                  760                  765


Ile Leu Ala Gly Leu Thr His Leu Ala Val Ile Ser Asn Ala Phe Leu
    770                  775                  780


Leu Ala Phe Ser Ser Asp Phe Leu Pro Arg Ala Tyr Tyr Arg Trp Thr
785                  790                  795                  800


Arg Ala His Asp Leu Arg Gly Phe Leu Asn Phe Thr Leu Ala Arg Ala
                805                  810                  815


Pro Ser Ser Phe Ala Ala Ala His Asn Arg Thr Cys Arg Tyr Arg Ala
                820                  825                  830


Phe Arg Asp Asp Asp Gly His Tyr Ser Gln Thr Tyr Trp Asn Leu Leu
        835                  840                  845


Ala Ile Arg Leu Ala Phe Val Ile Val Phe Glu Val Ala Glu Ala Pro
    850                  855                  860


Ala Gly Ser Pro Ile His Gly Met Arg Pro Arg Pro Cys Ala Leu Pro
865                  870                  875                  880


Asn Ser Ser Thr Trp
            885
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